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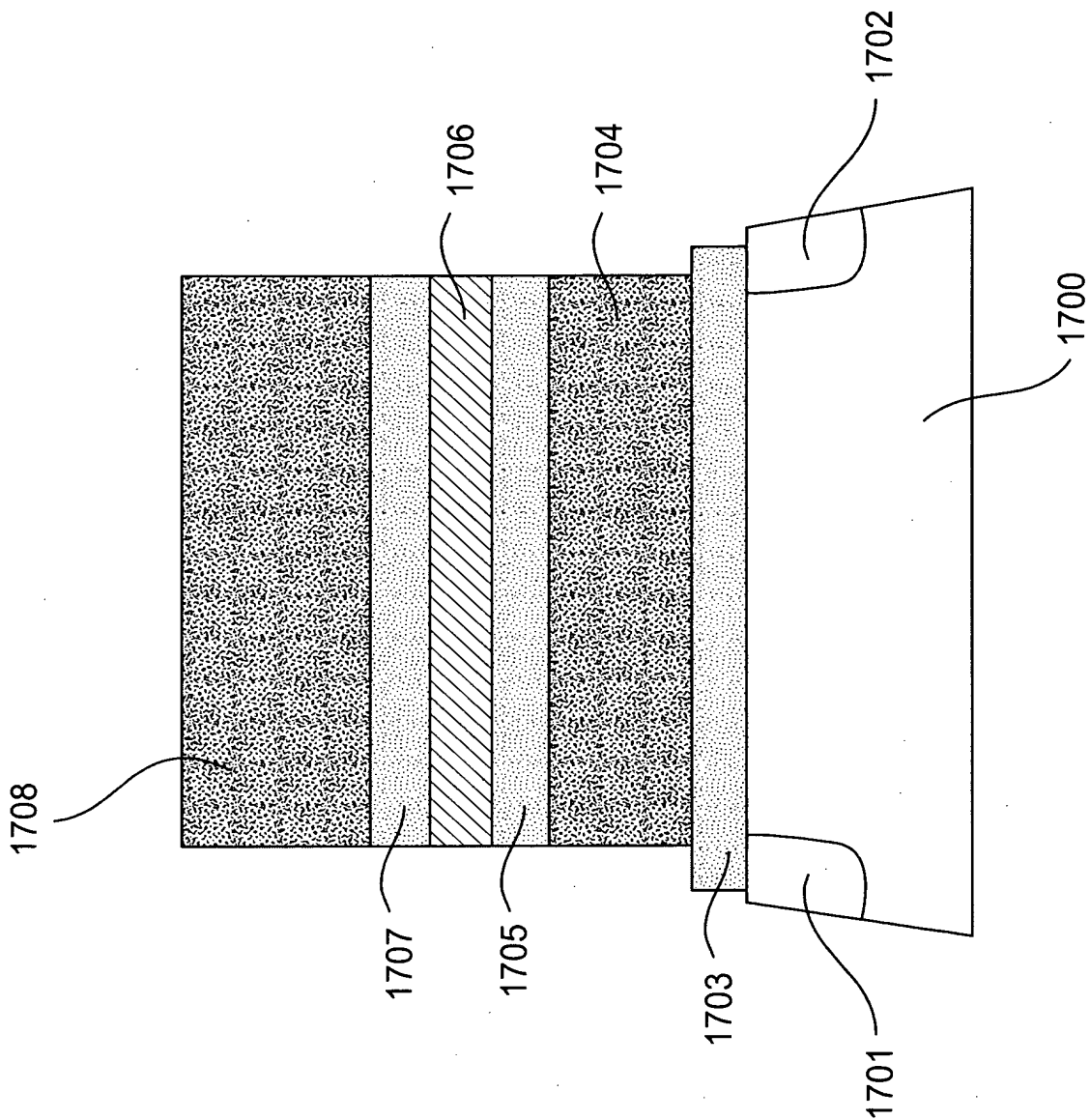


FIG. 1

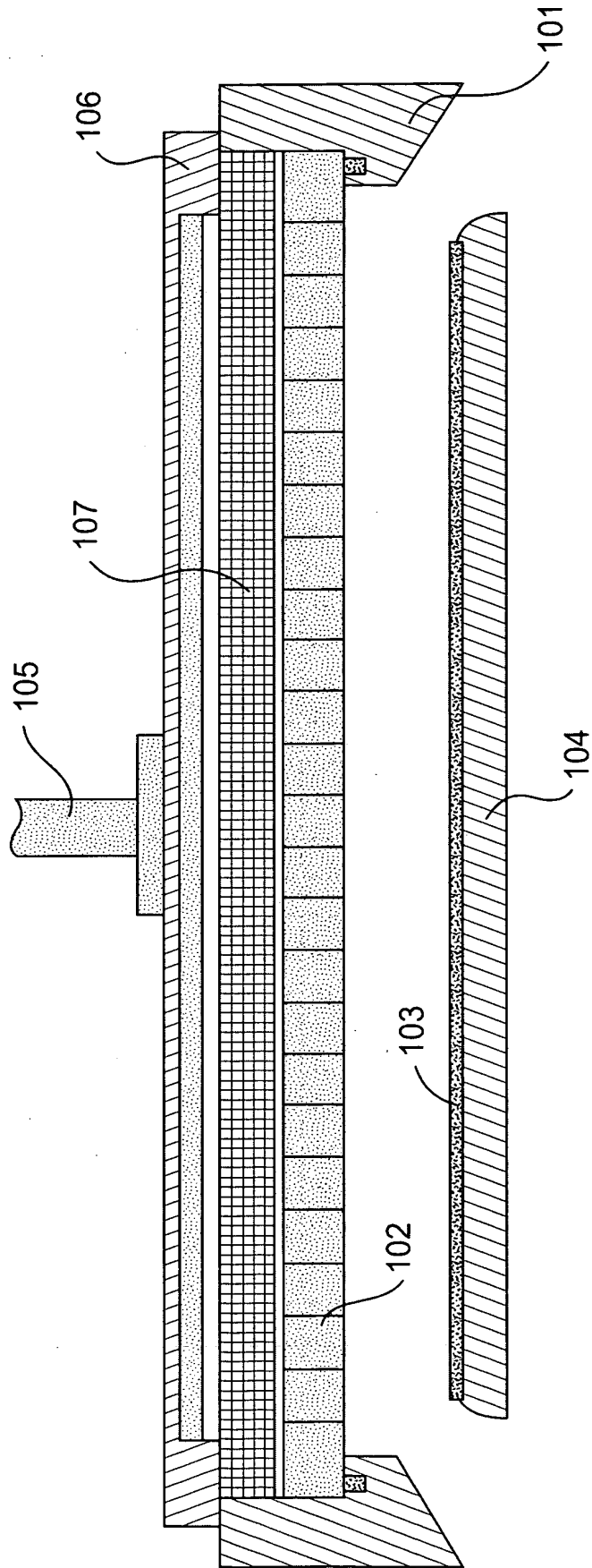


FIG. 2

3/29

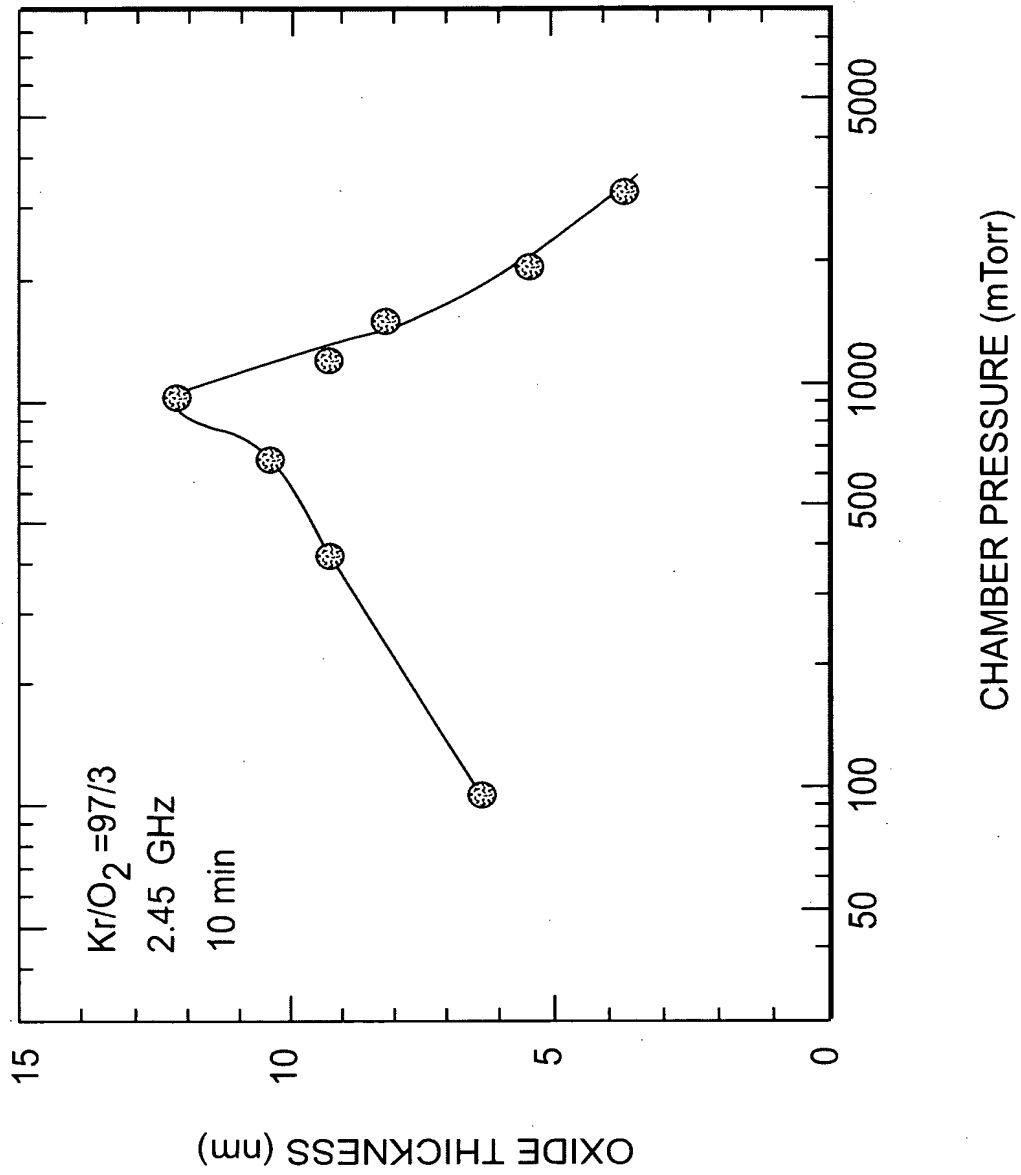


FIG. 3

4/29

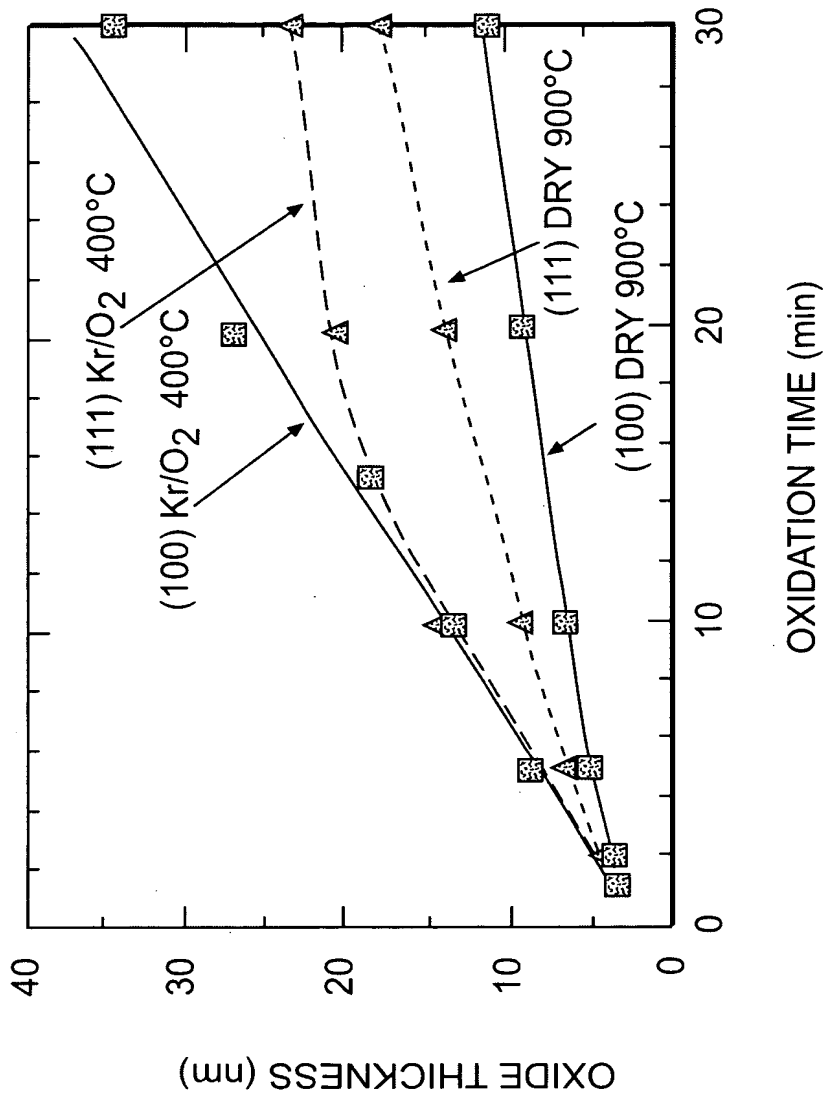


FIG. 4

5/29

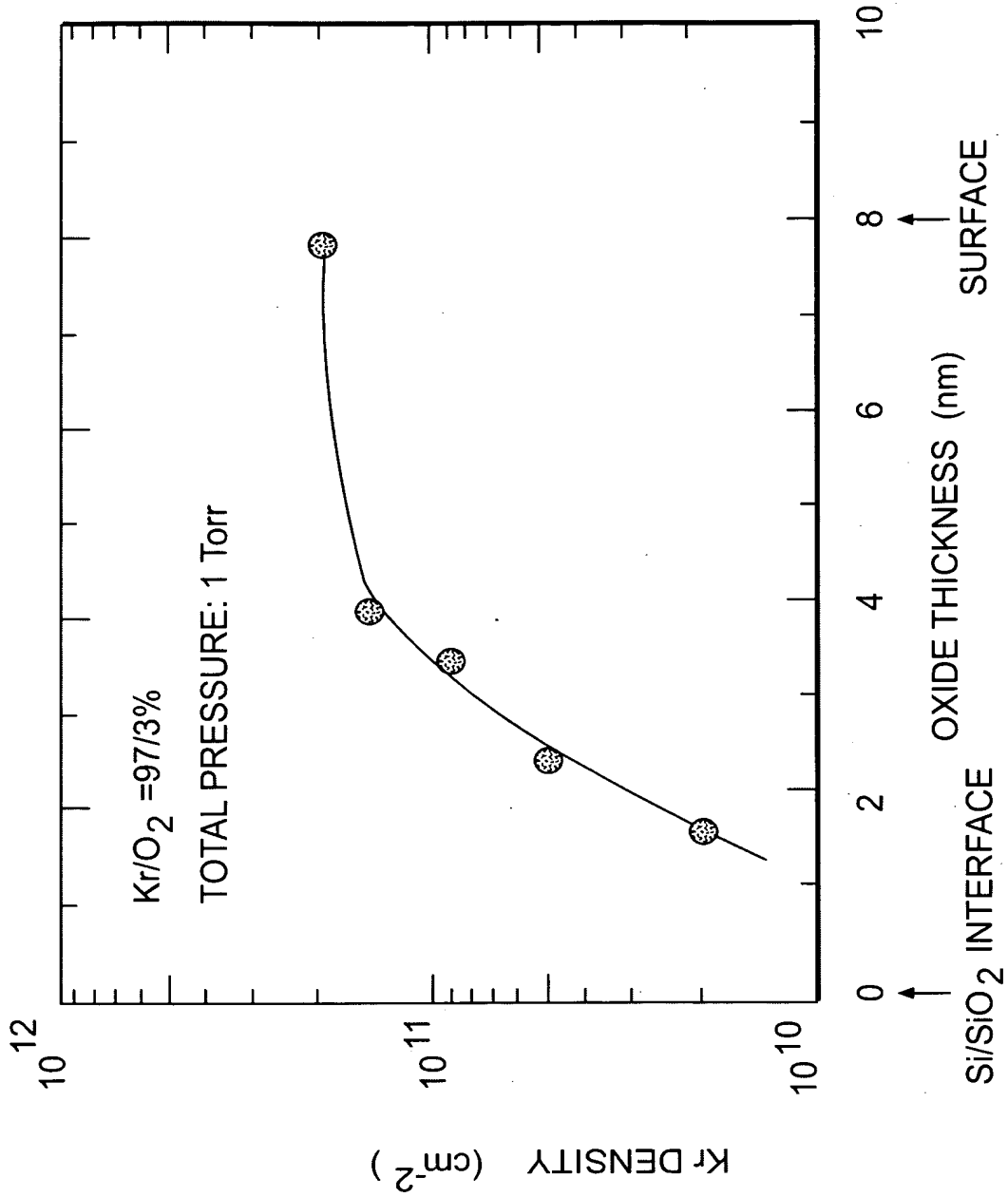


FIG. 5

6/29

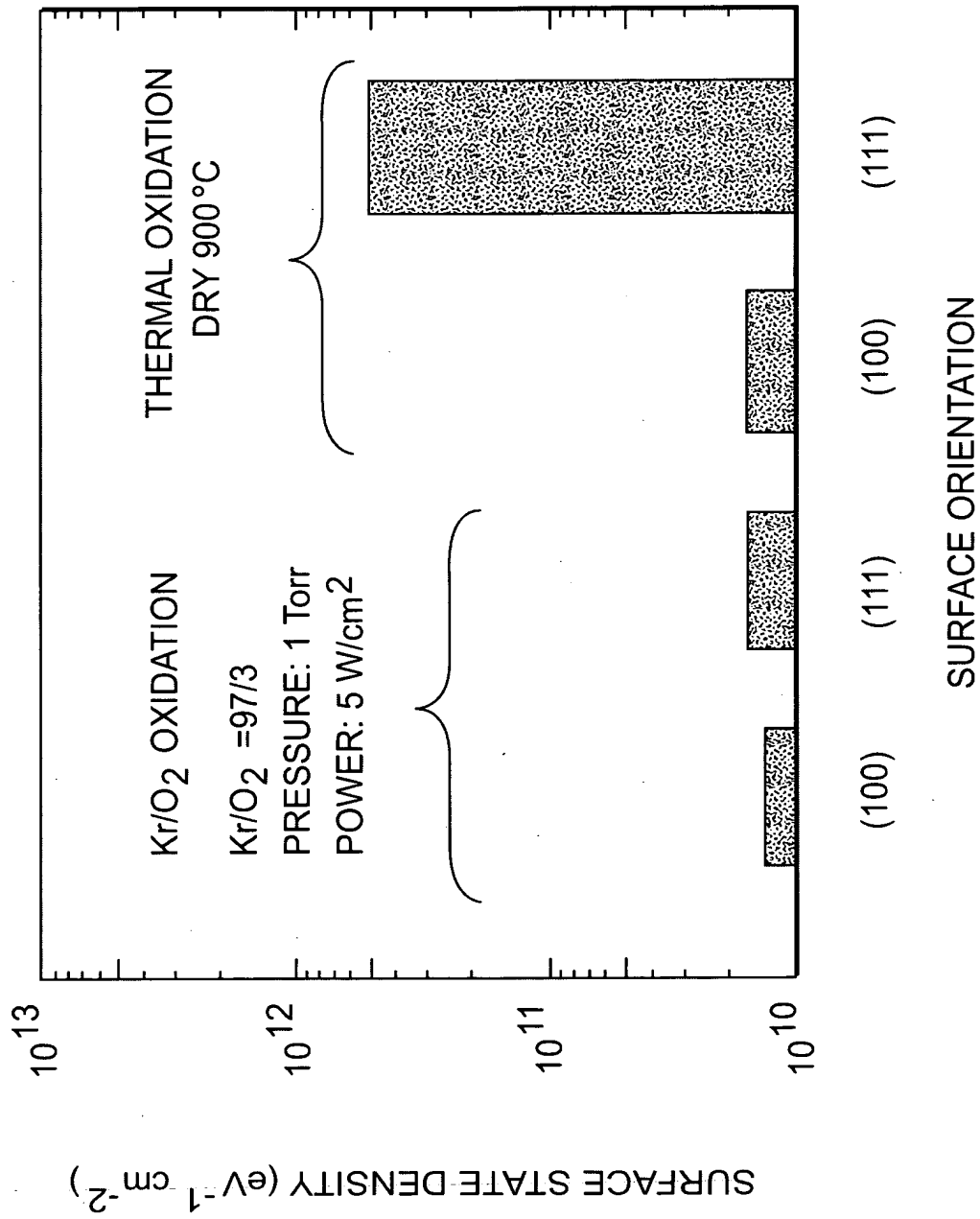


FIG. 6

7/29

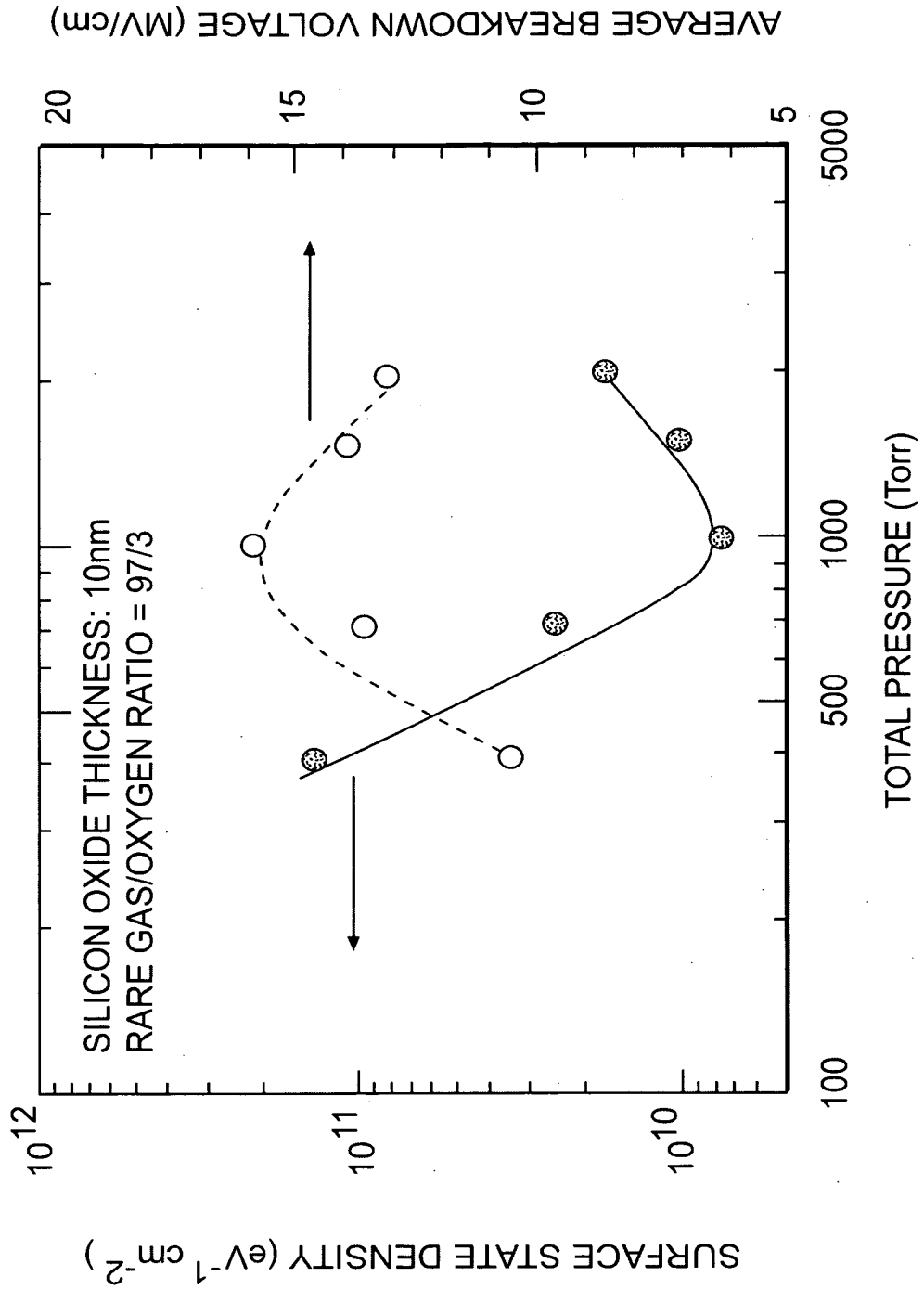


FIG. 7

8/29

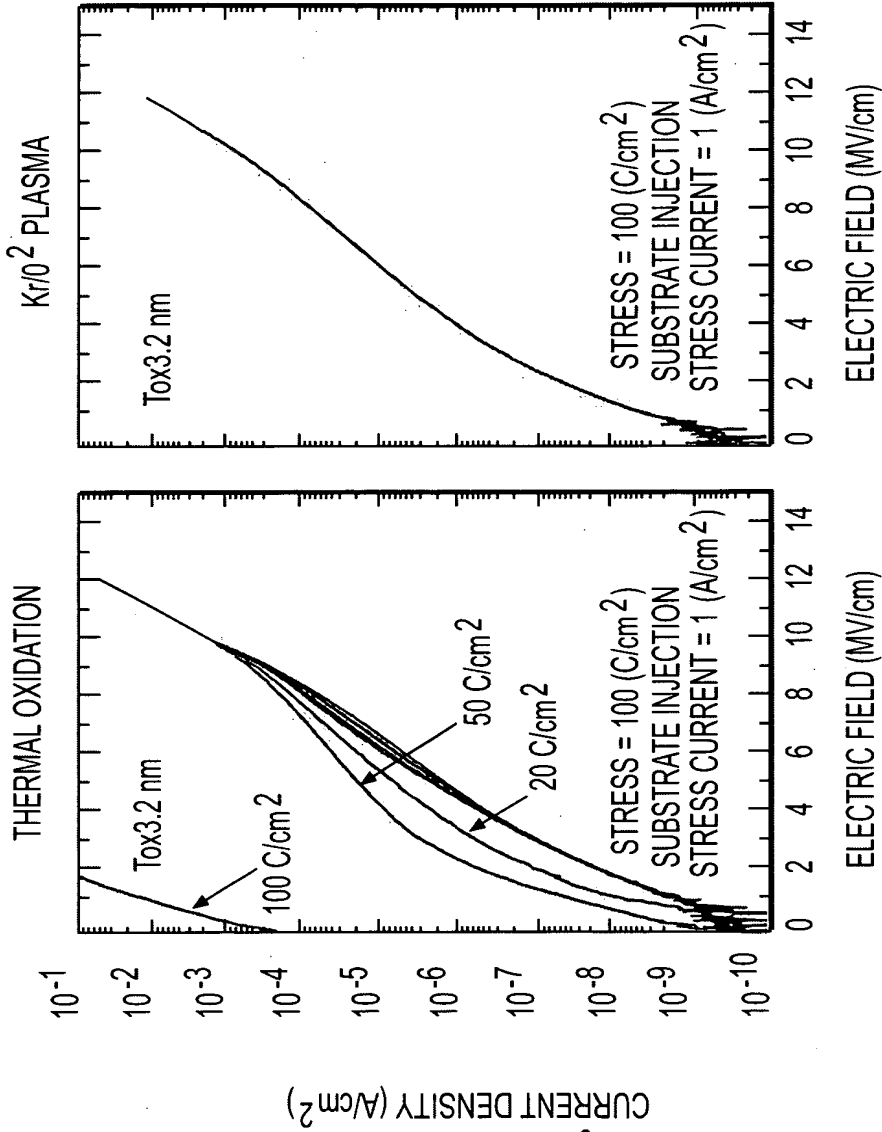


FIG. 8A

FIG. 8B

9/29

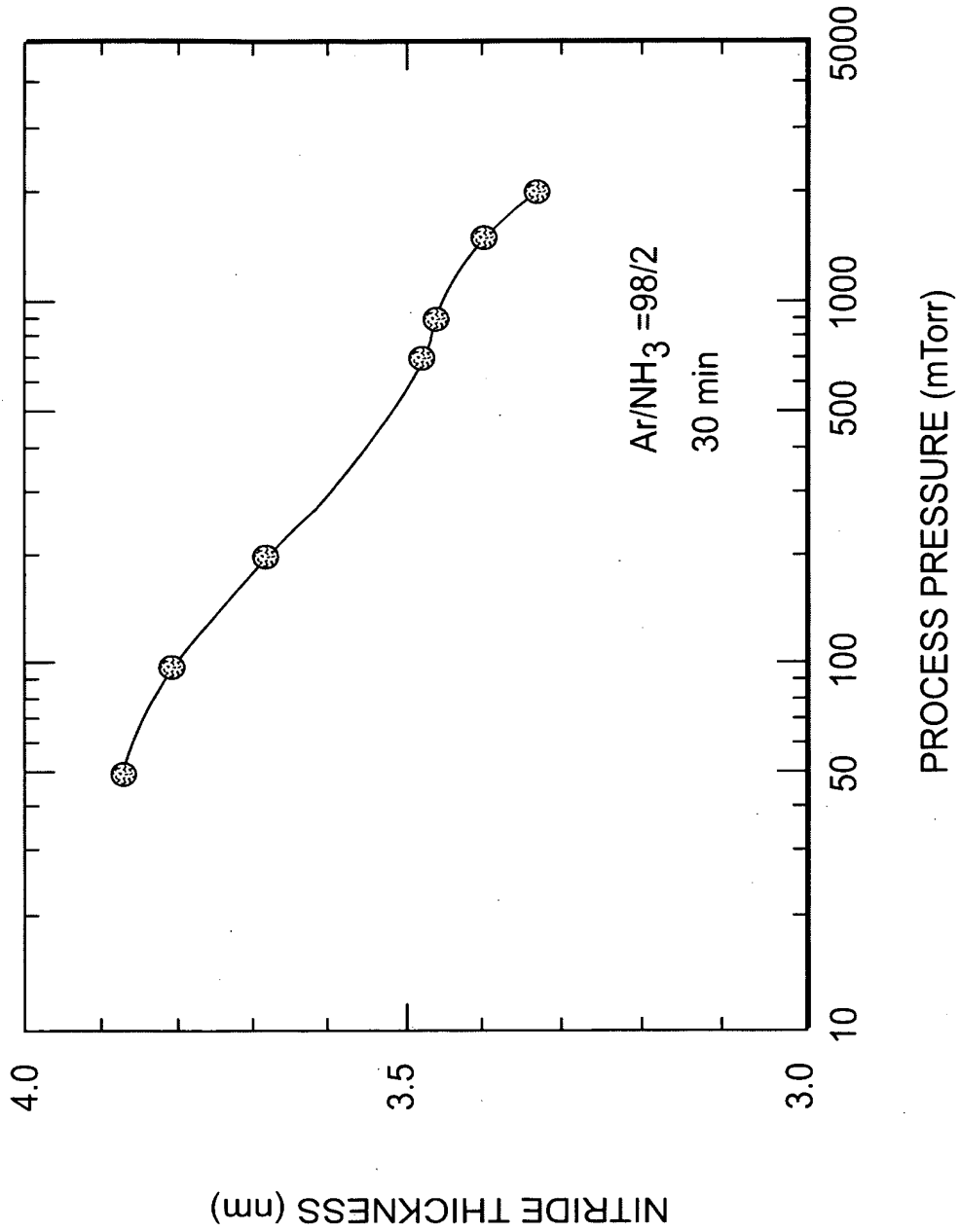


FIG. 9

10/29

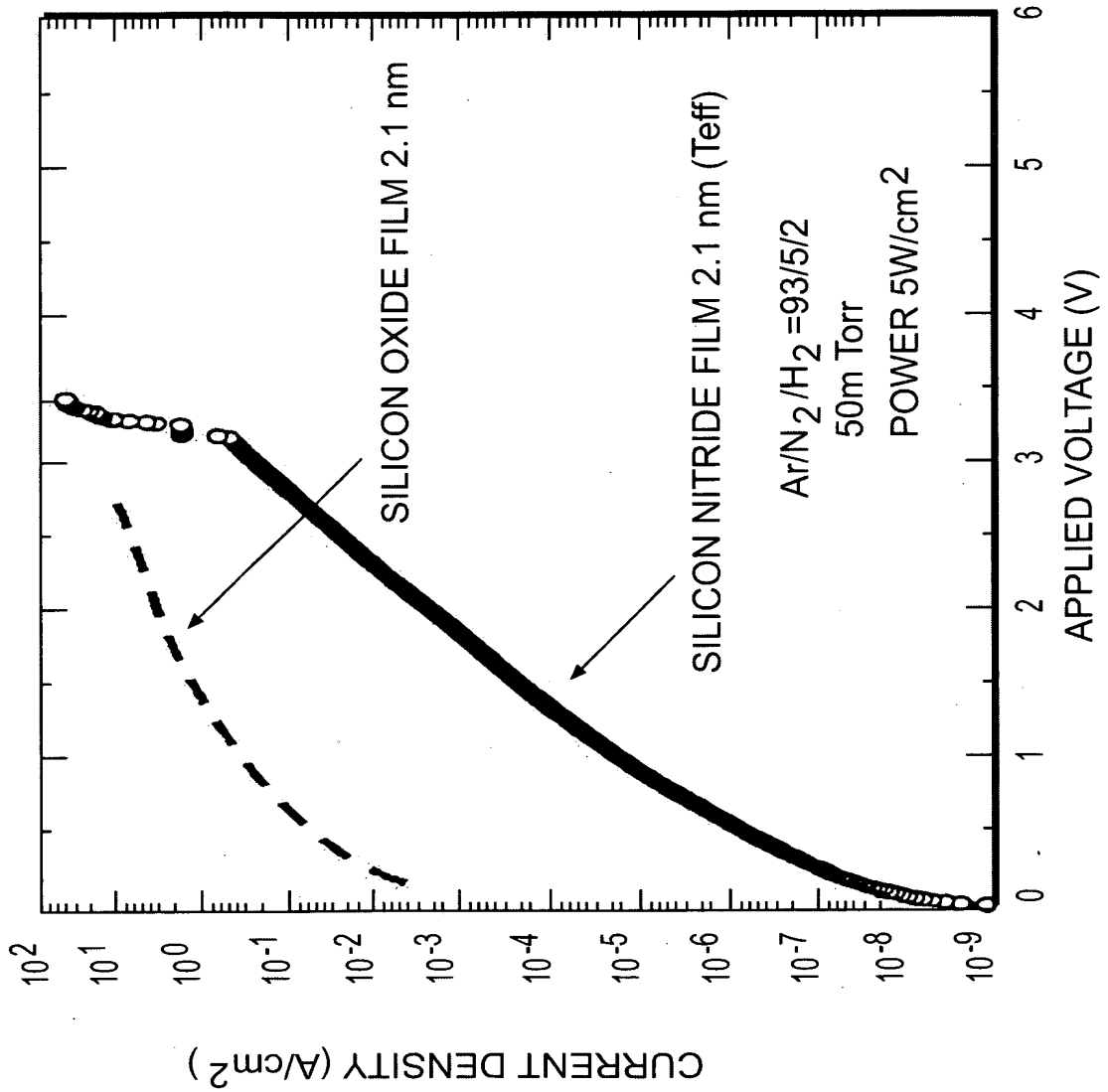


FIG. 10

11/29

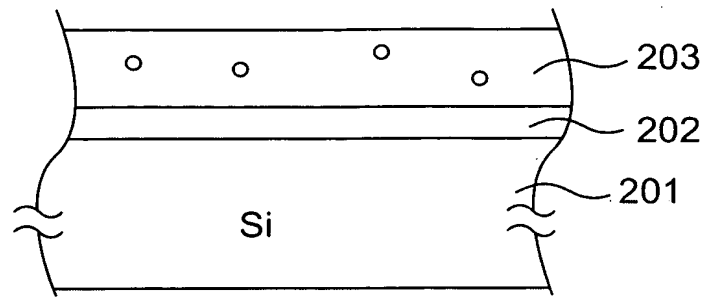
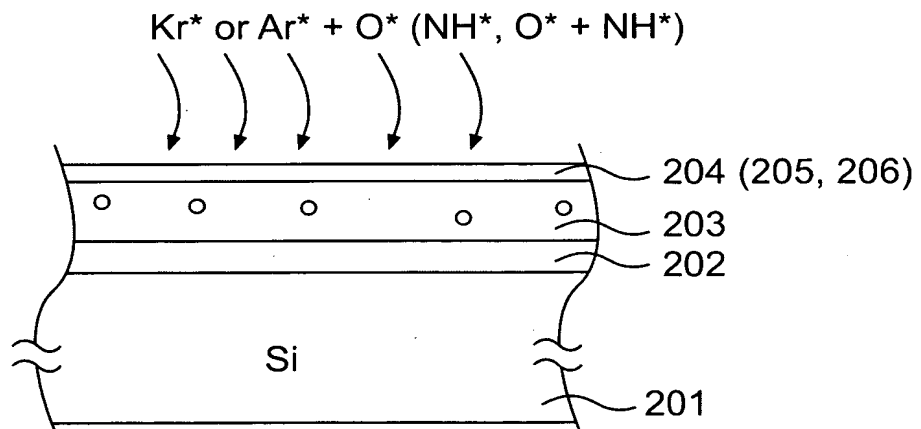


FIG. 11A



- 204: SiO_2 ← O^*
205: Si_3N_4 ← NH^*
206: SiO_N ← $\text{O}^* + \text{NH}^*$

FIG. 11B

12/29

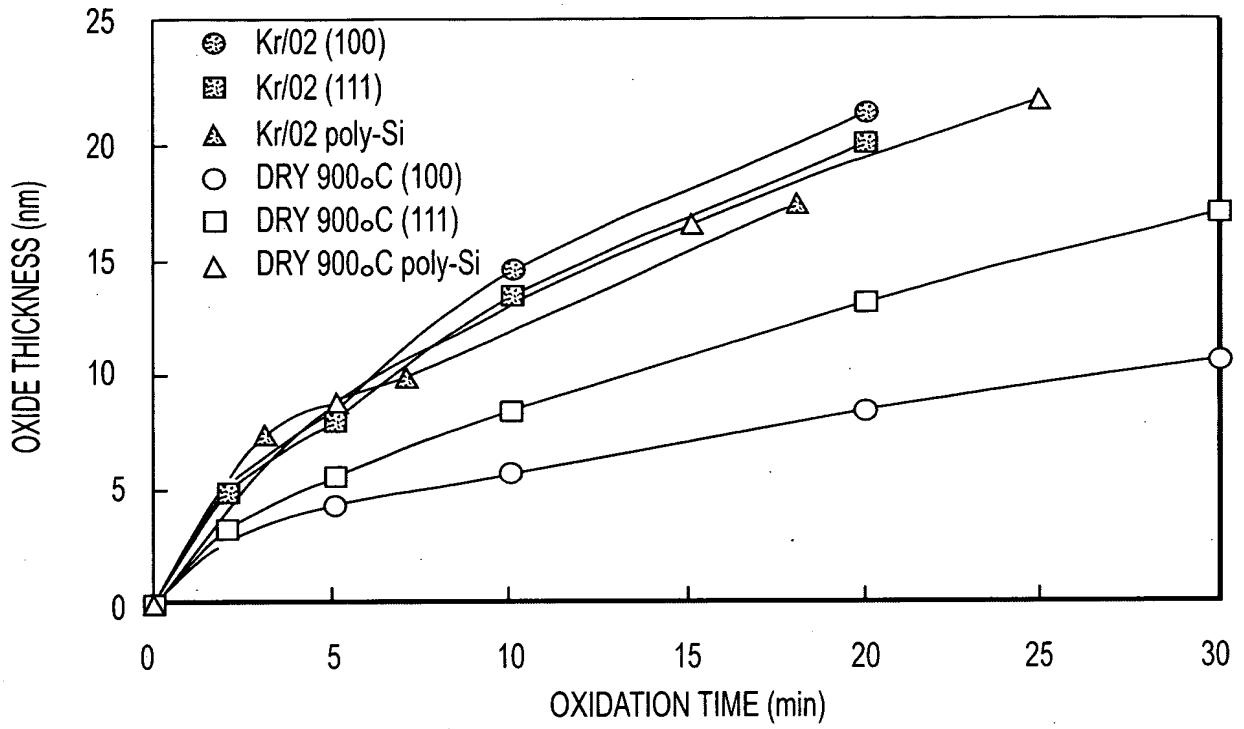


FIG. 12

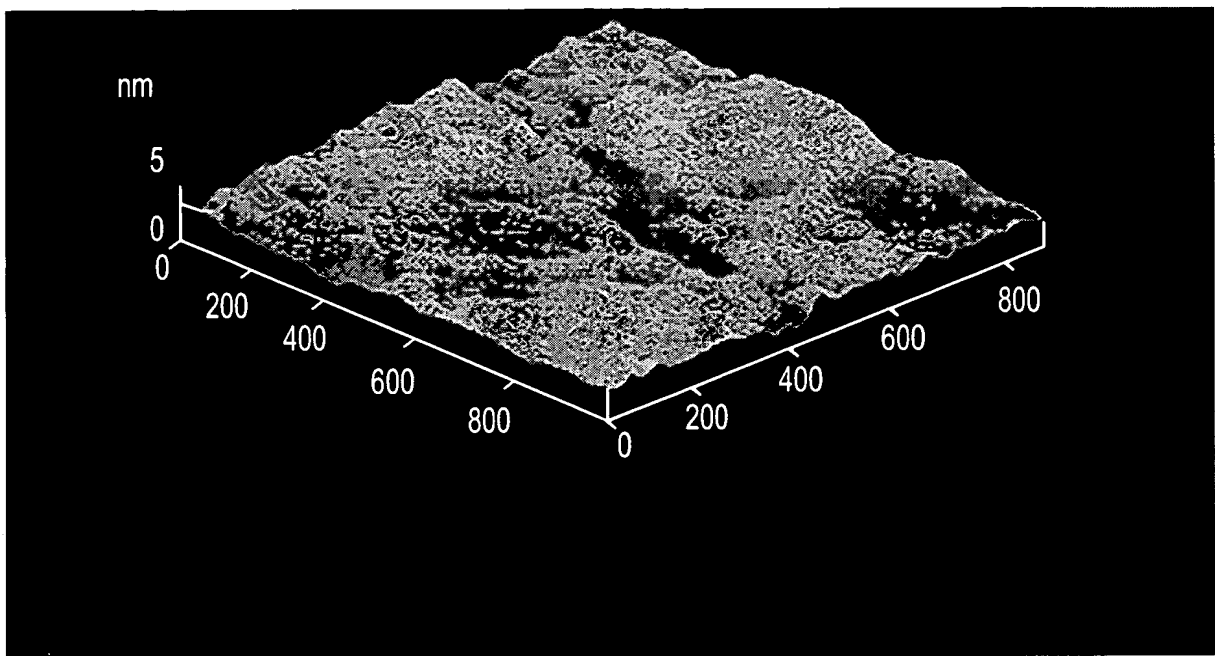


FIG. 13A

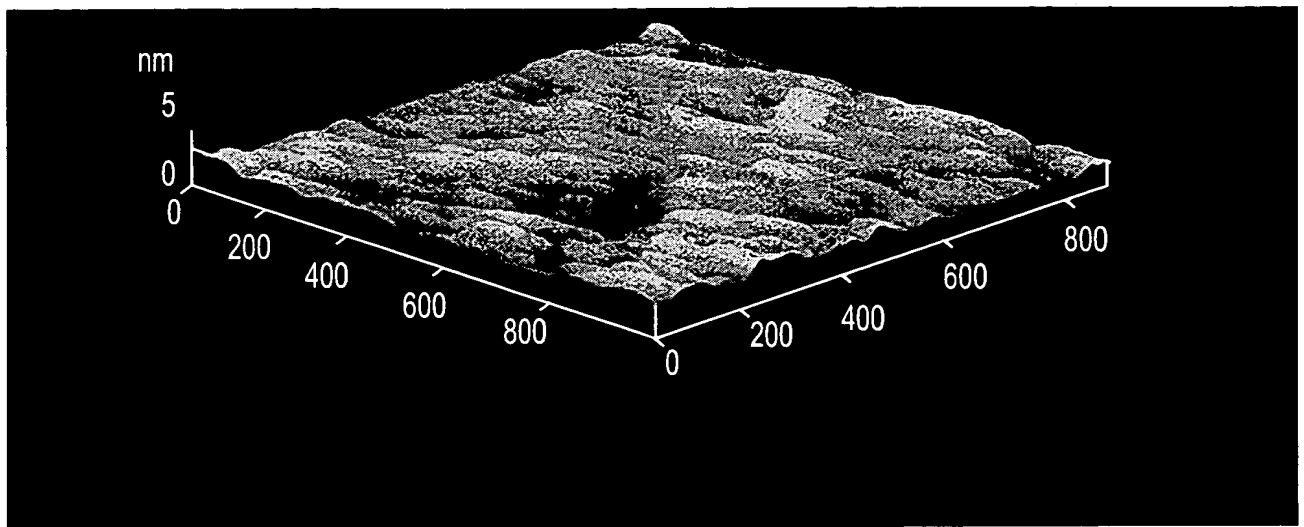


FIG. 13B

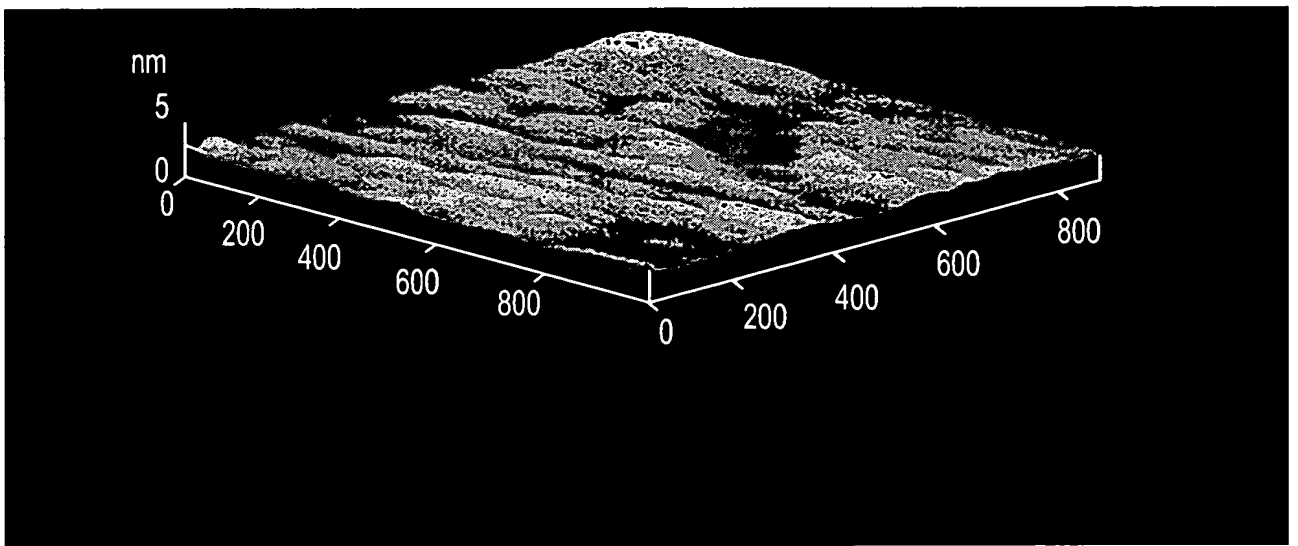


FIG. 13C

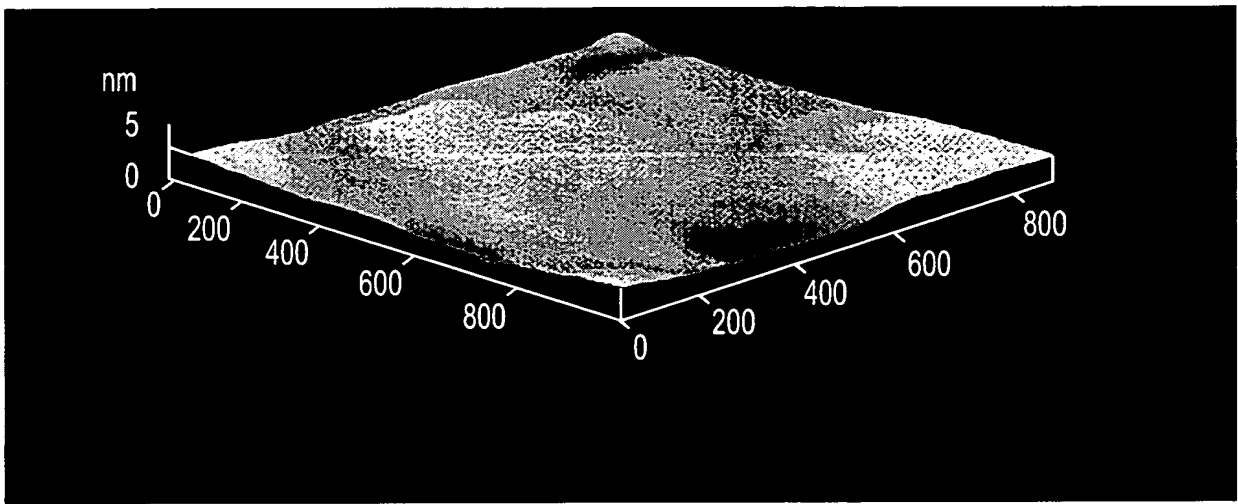


FIG. 14A

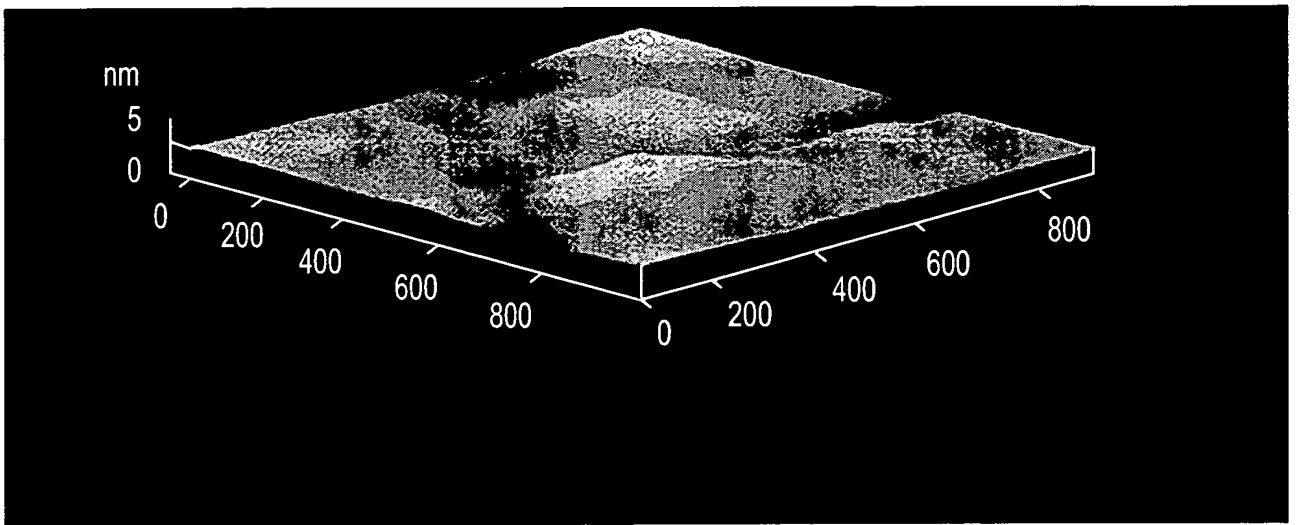


FIG. 14B

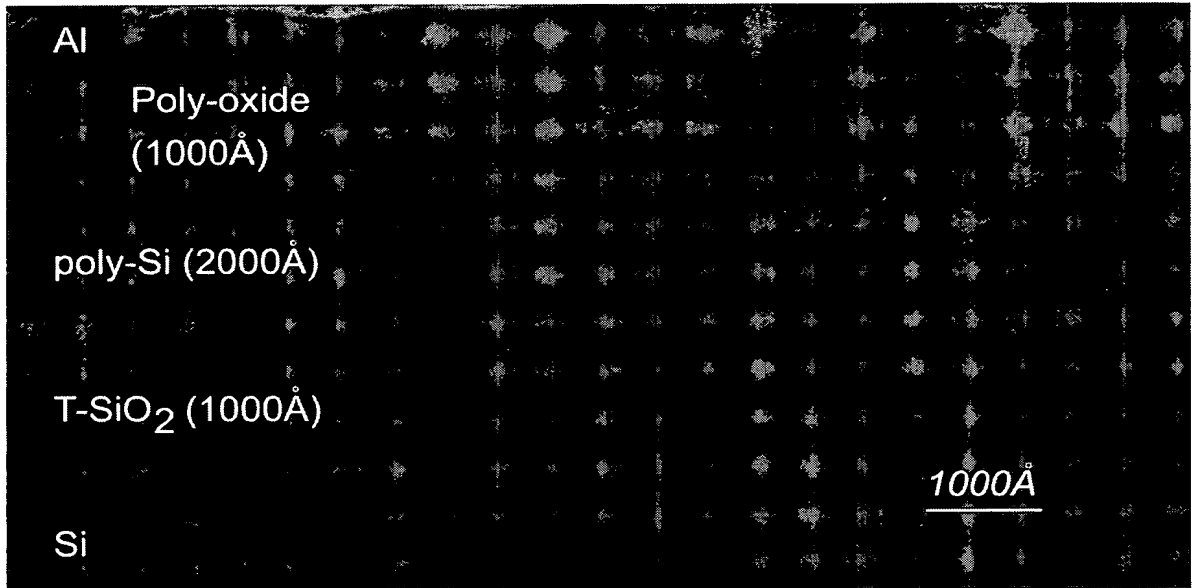


FIG. 15A

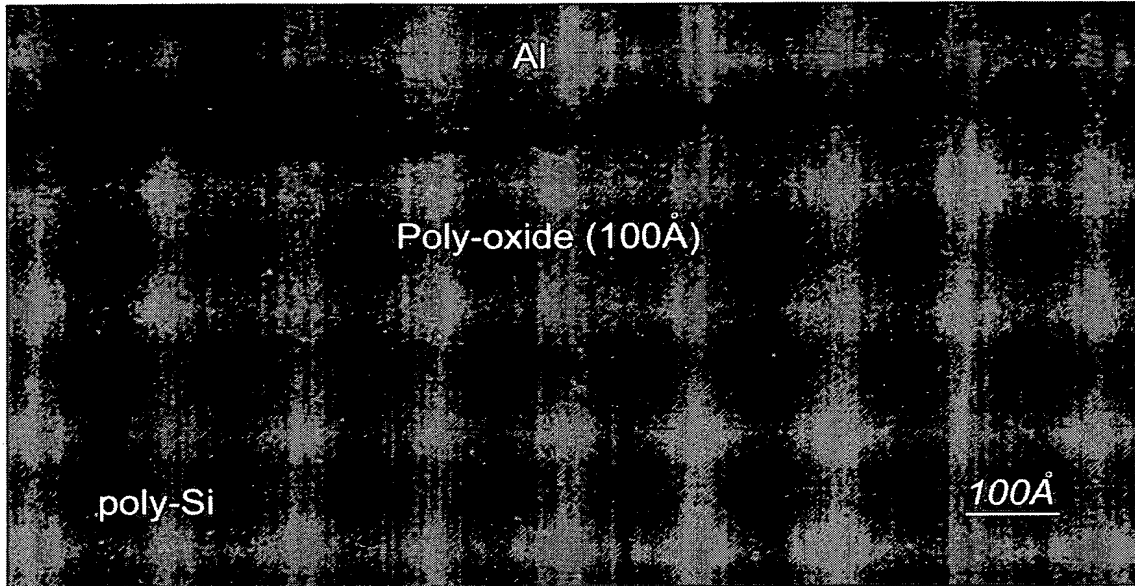


FIG. 15B

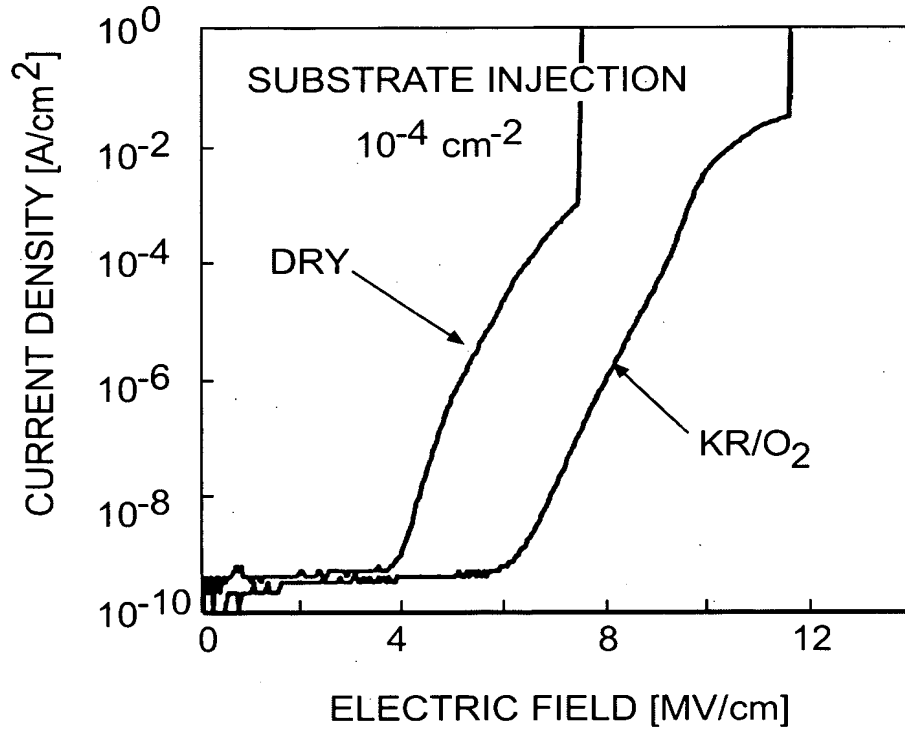


FIG. 16

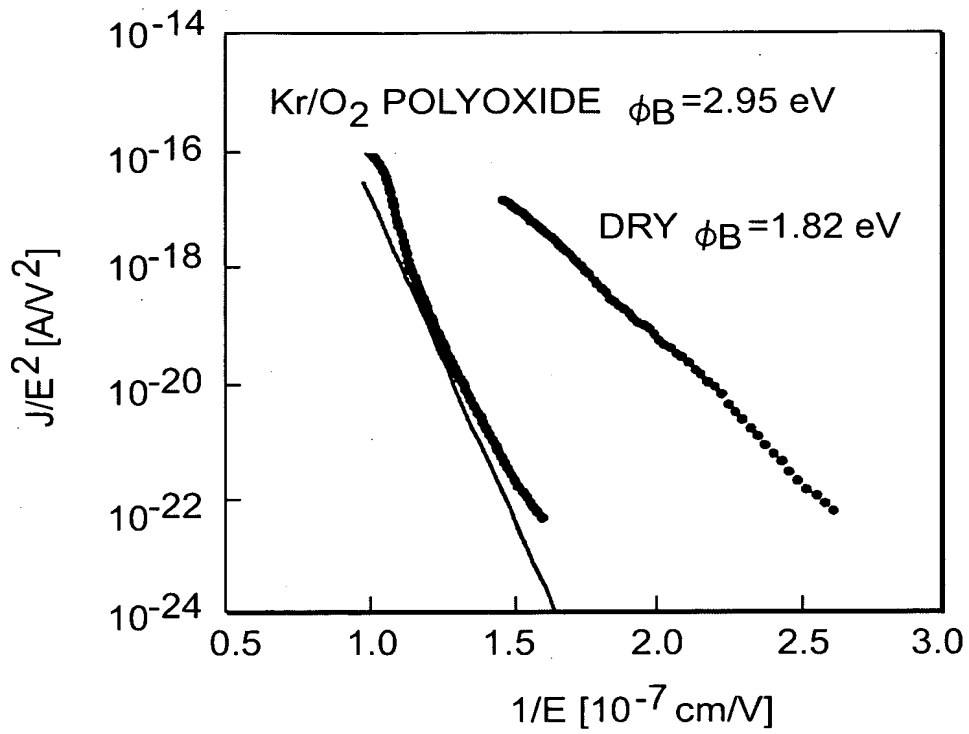


FIG. 17

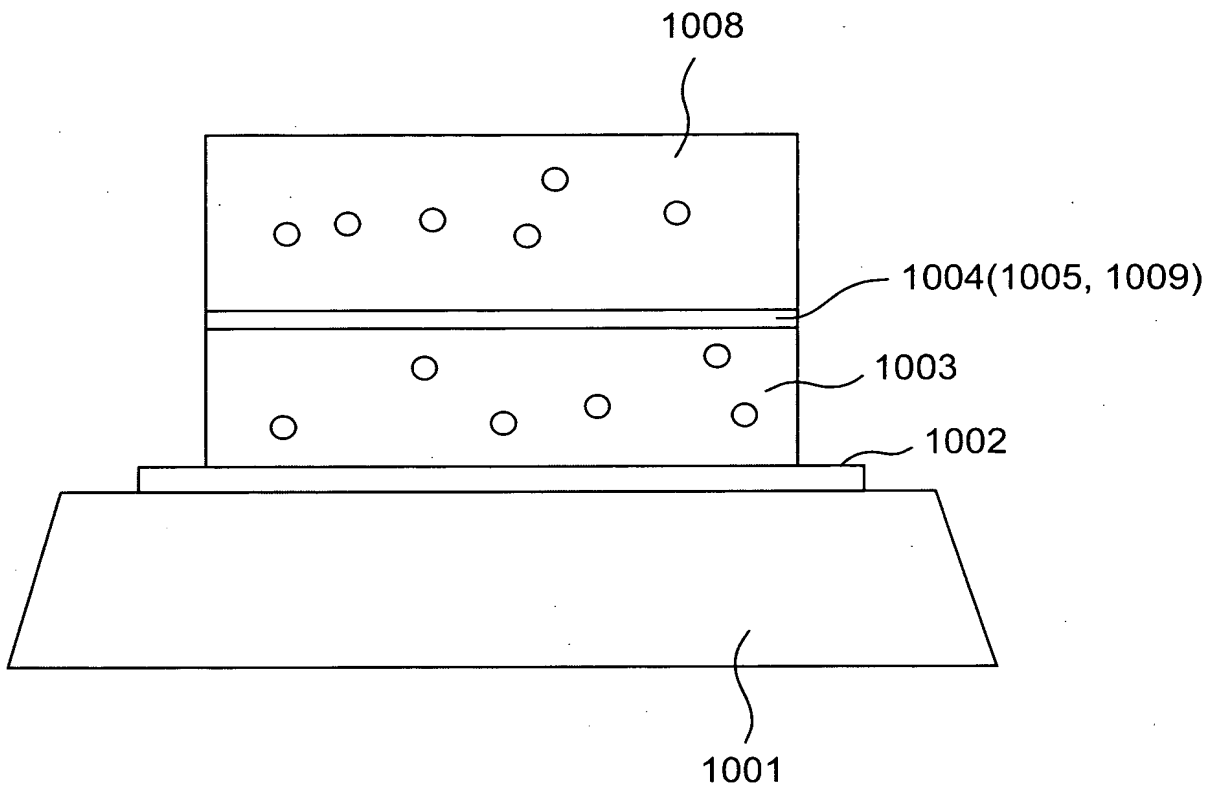


FIG. 18

1000

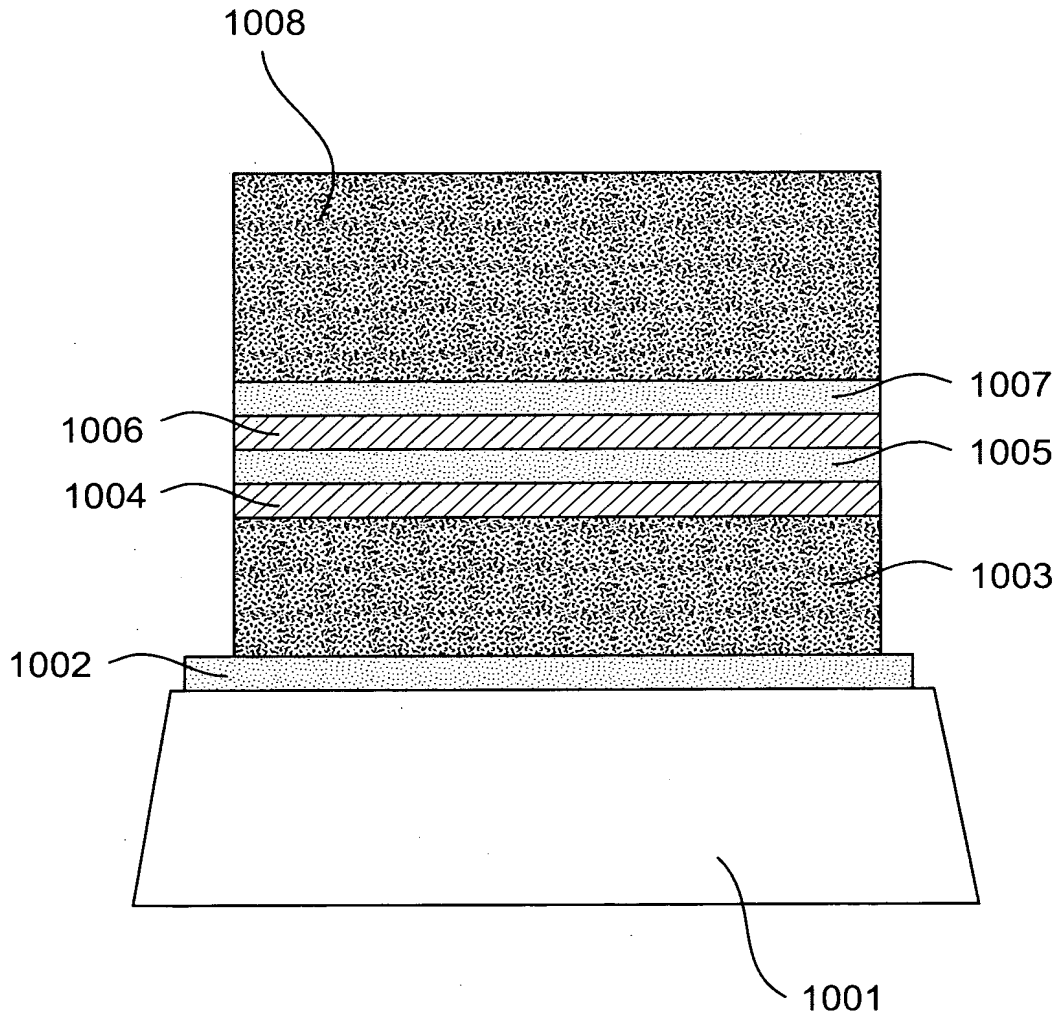


FIG. 19

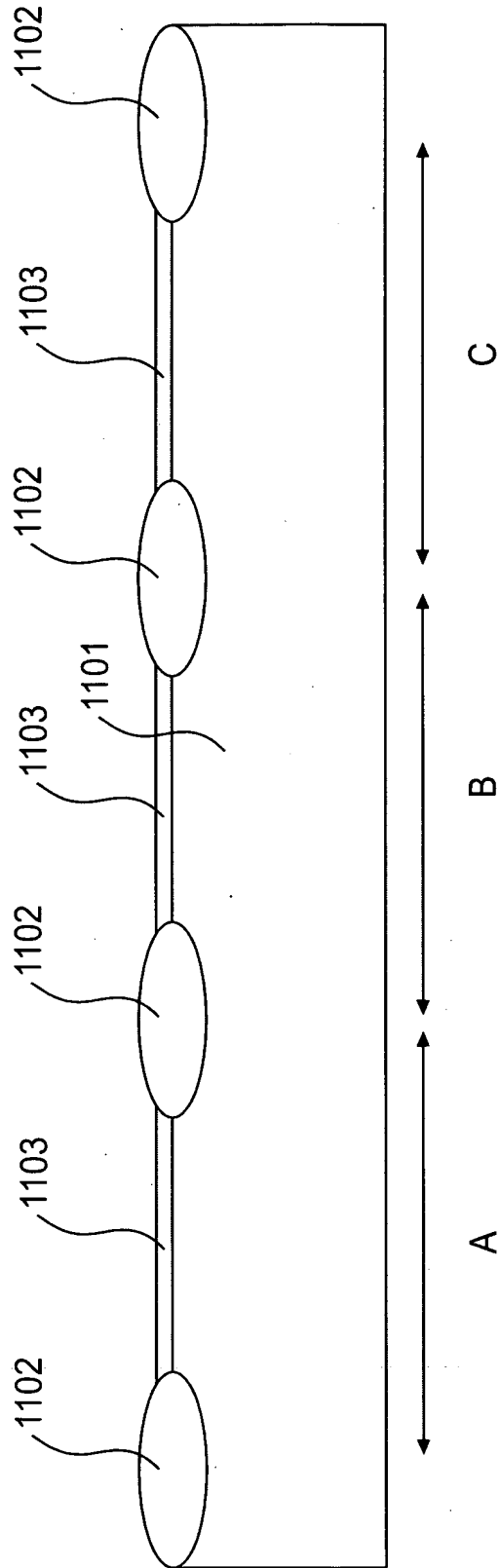


FIG. 20

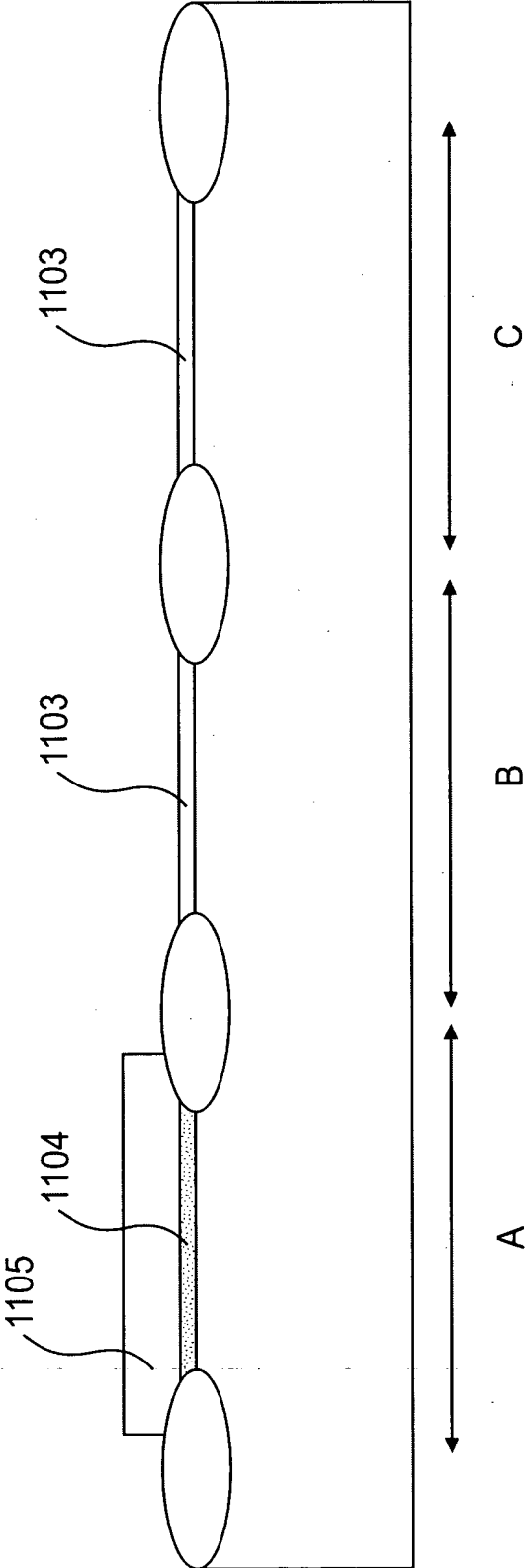


FIG. 21

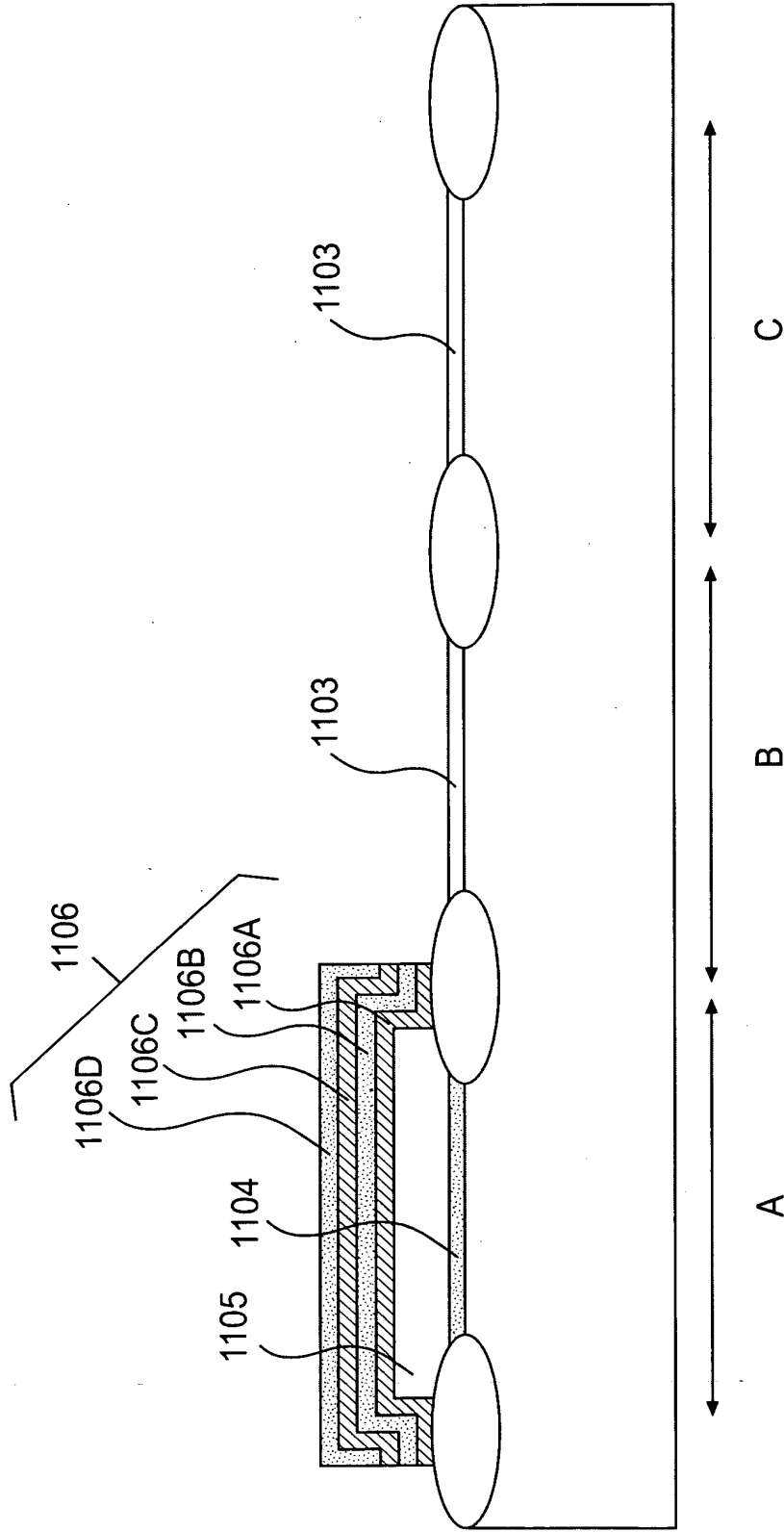


FIG. 22

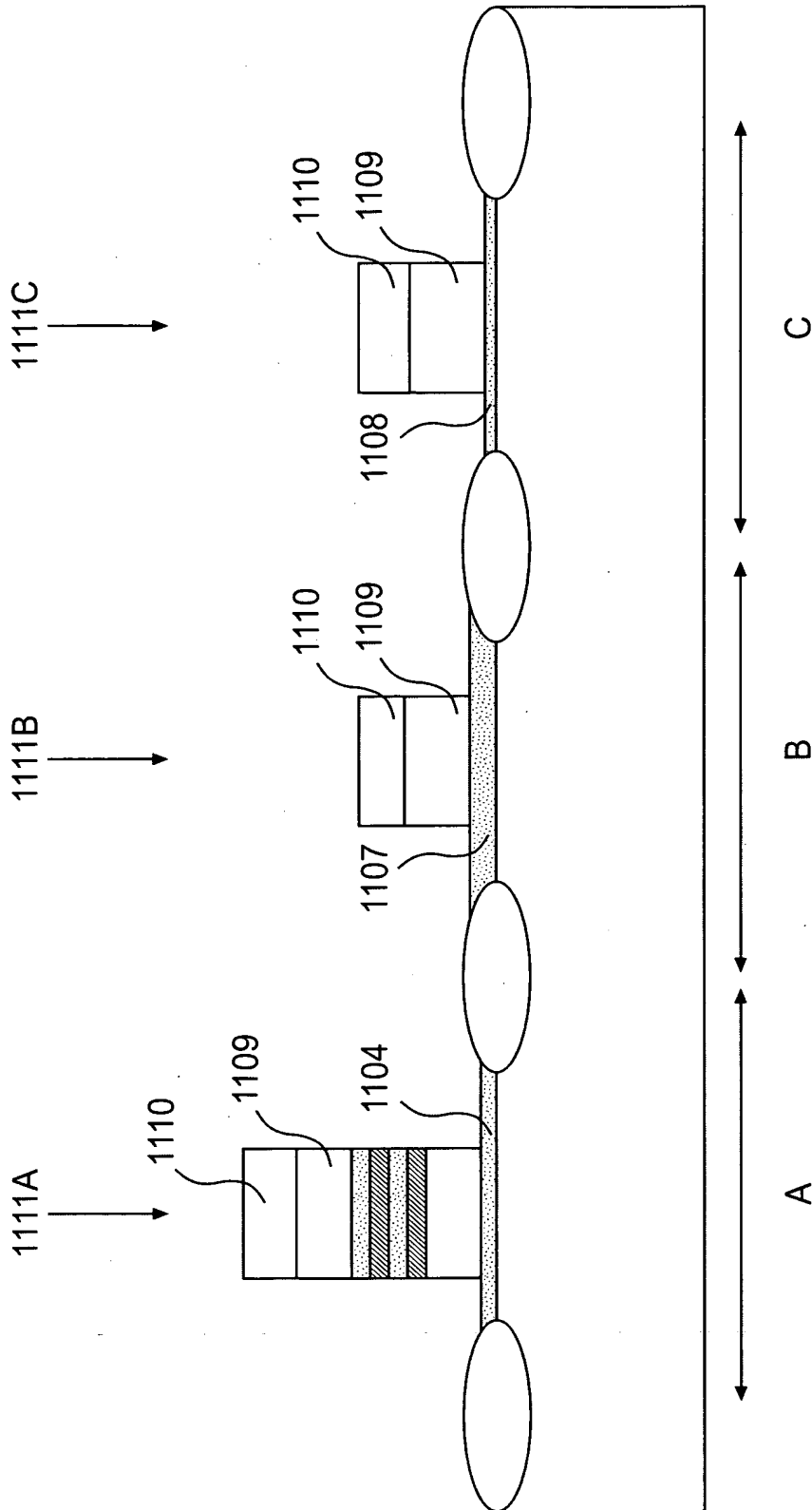


FIG. 23

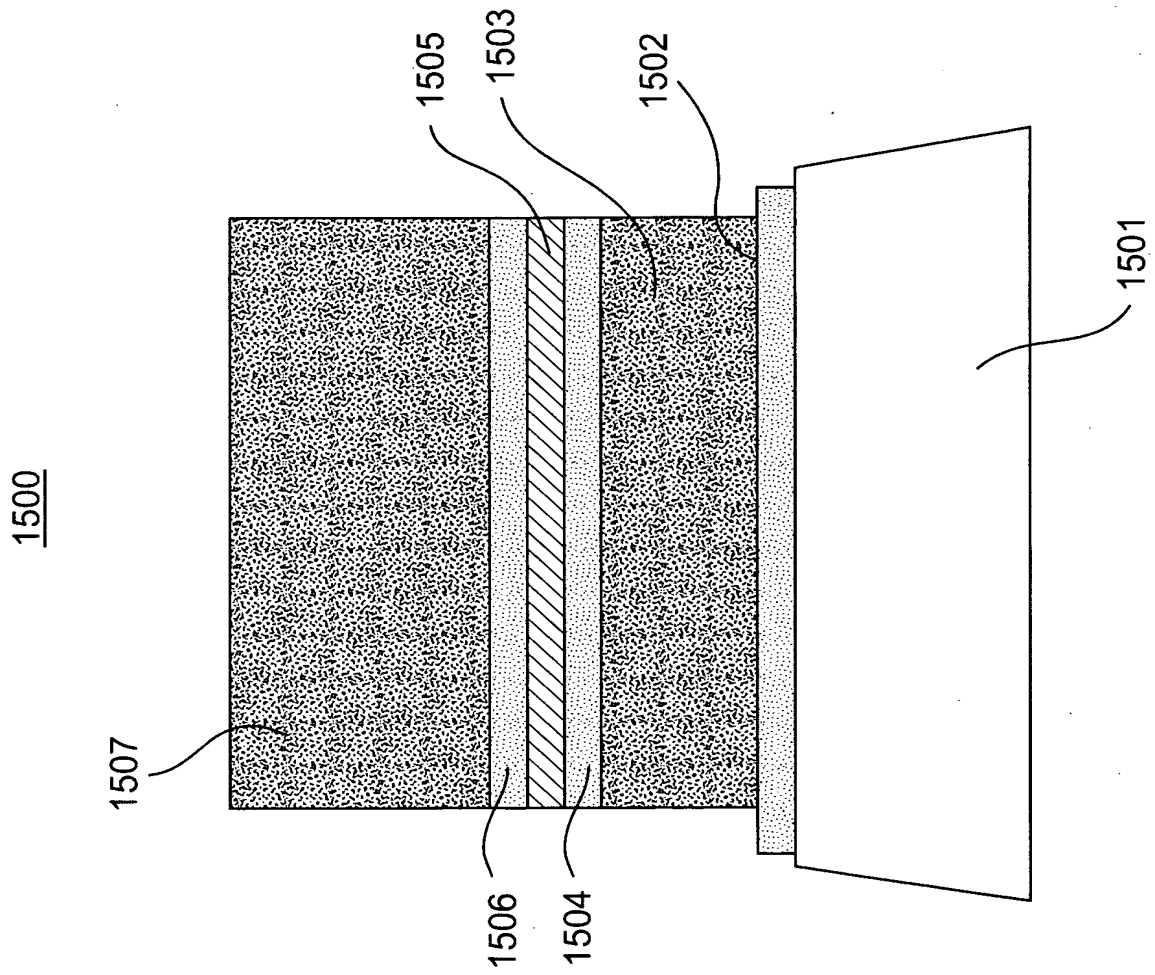


FIG. 24

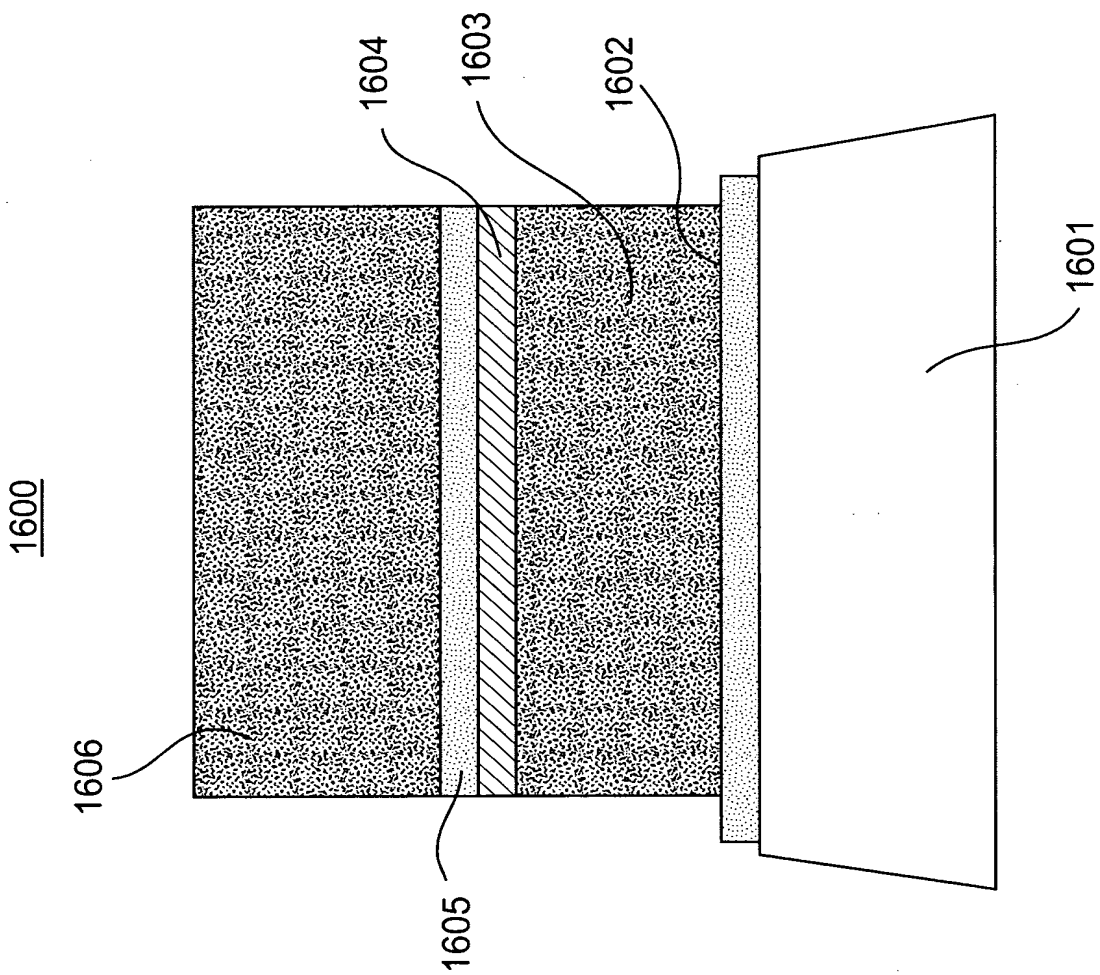


FIG. 25